Teaching Times Tables at Hillside

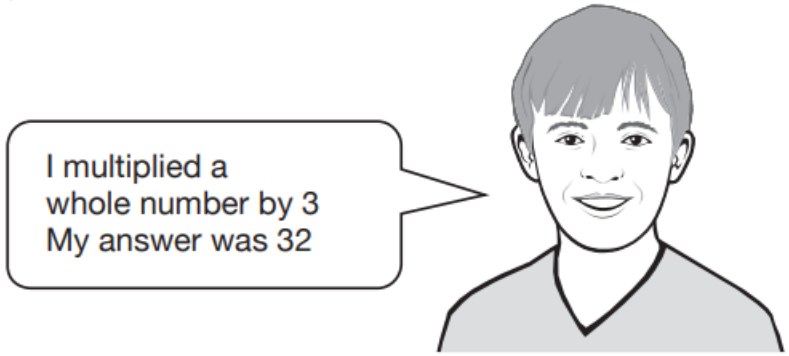
Inspiring the future

Why do we need to teach times tables?

- Help children count in groups
- Helps to be quick mathematical thinkers
- They need this to help them with all of their maths further up school
- Life skill
- Year 4 Multiplication Check in the Summer term of Year 4

- 25 questions, 6 seconds per question (no pass mark)

Jack says,



Explain why Jack is **not** correct.

Write the missing number to make this calculation correct.

$754 \times 6 + 754 \times 3 = 754 \times \square$

Teaching

- We practise Times Tables through games and each half term there is a new focus. This is an extra to our maths lessons.
- Your children have been taught – 2, 3, 4, 5, 8 and 10 times tables.

Sequence of times tables teaching

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Teaching of concept of multiplication 2x	10x 5x	3x	4x	8x	6x
Year 4	12x	7x 11x	9x	Revise and consolidate		

Inspiring the future

Step counting

- We step count daily. Usually this is counting forwards but we can also step count backwards.

Step counting in 3s

Step counting in 3s

Step counting in 3s

Step counting in 3s

Counters

"There are 4 groups, there are 3 counters in each group. There are 12 counters altogether. **4 3s are 12."**

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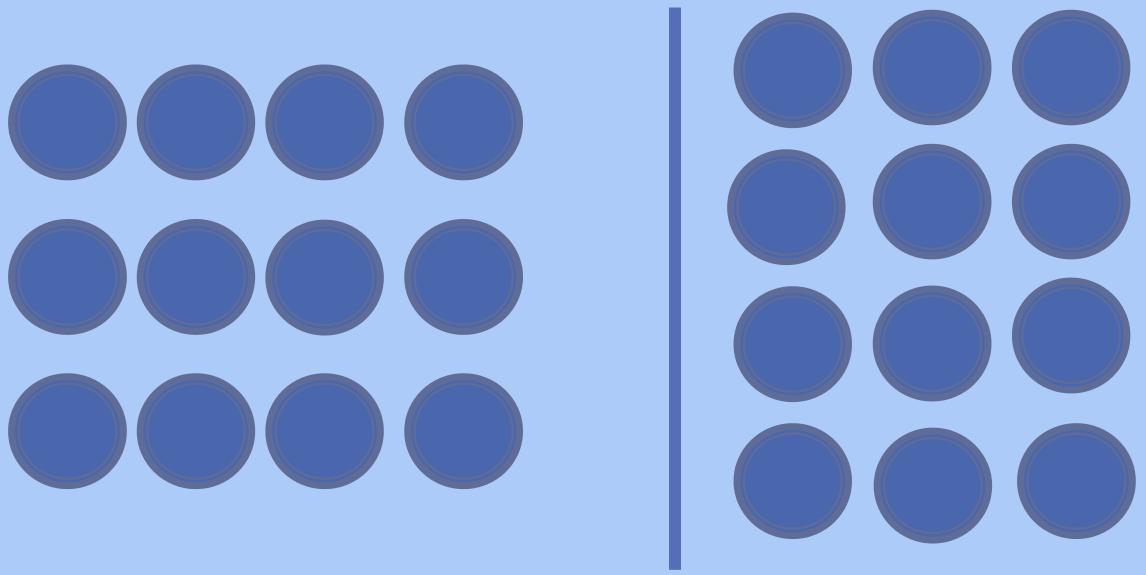
In pairs children will use counters to represent the groups.



Inspiring the future

Spot the odds and even

- Children use the cards to lay out the times table.
- In any odd times table the pattern would be odd – even – odd – even (3 x table – 3 , 6, 9, 12)
- They will also spot that if you add two add numbers together you will always get an even number (3 + 9 = 12)
- In an even times table the products are always even
- As well as memorising the facts through step counting, this type of game also reinforces understanding of the structure of each times table.

Mix it up

- Children will lay out the cards in order
- Their partner will then close their eyes and switch two cards.
- They will then try and work out which cards have been swapped whilst saying the order **1 3 is 3, 2 3s are 6, 3 3s are 9 etc.**

funkeymaths.com/product/times-tables-maths-cards/

07400 934330

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Times Tables Maths Cards

£10.00 plus VAT

A multi-faceted resource which helps children develop conceptual understanding of multiplication and division and fluency in times table recall up to 12 x 12 through fun games and activities. Read more...

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Category: Maths Cards

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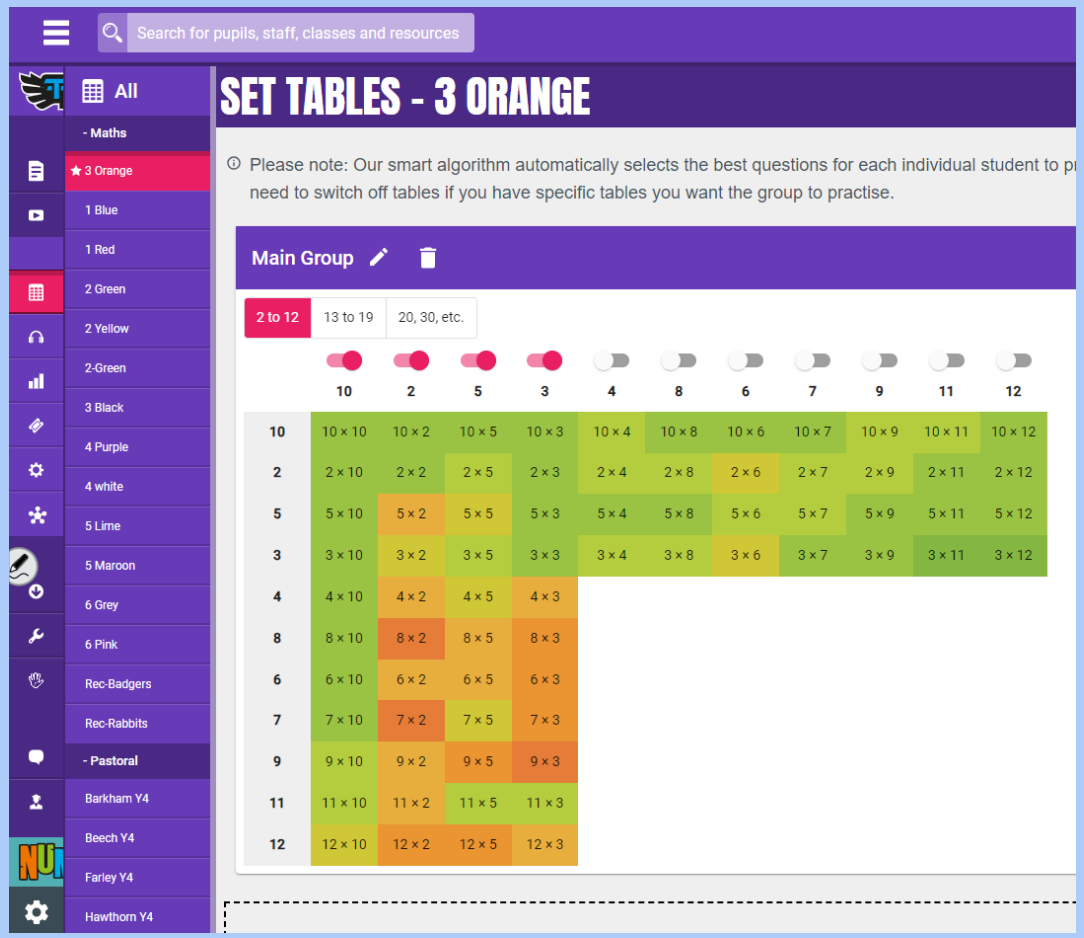
TTRS

- We expect your children to be playing 20 minutes a week on TTRS.
- TTRS has a curfew where children cannot play any games after 7:30/ 8pm.
- Sometimes we will set a home learning task which is called a 'Battle of the Bands'. The children will play against one another, practising their times tables and earning individual points.
- But the children need to be accessing 'Garage'. These games personalise the questions to your child so that they are working on the facts that are appropriate to them.
- Tables have been set by teachers: 10, 2, 5, 3.
- *Once a month, children should complete a 'gig' which will reassess their knowledge of all of the times tables facts. This will then form the basis of the questions that they face in the garage games. Can be done at home or at school.*



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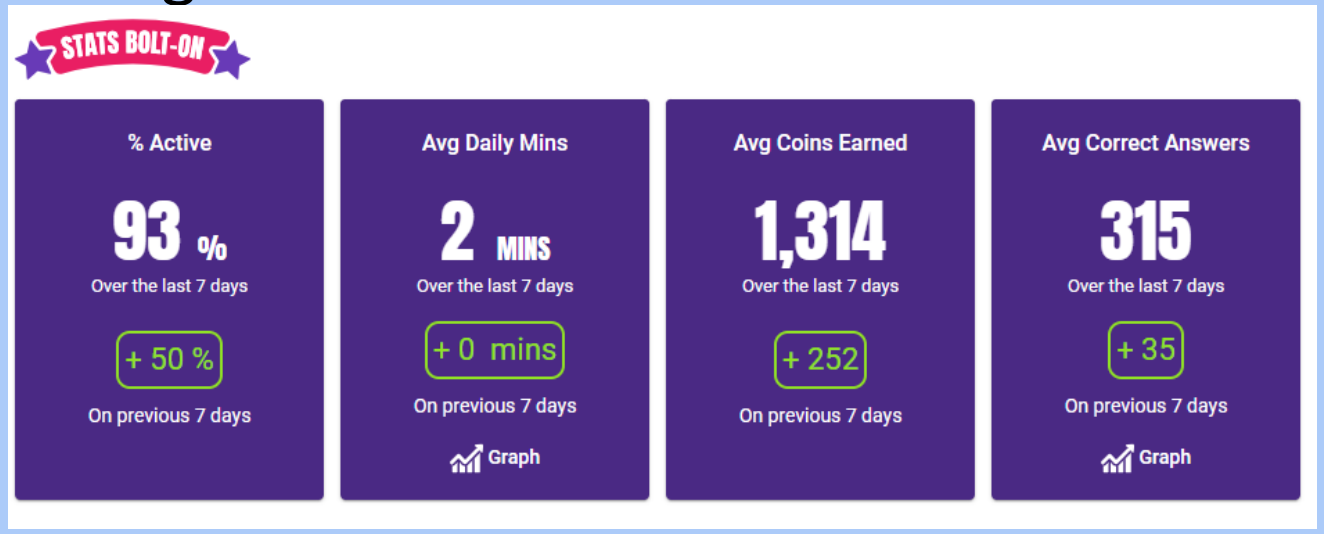
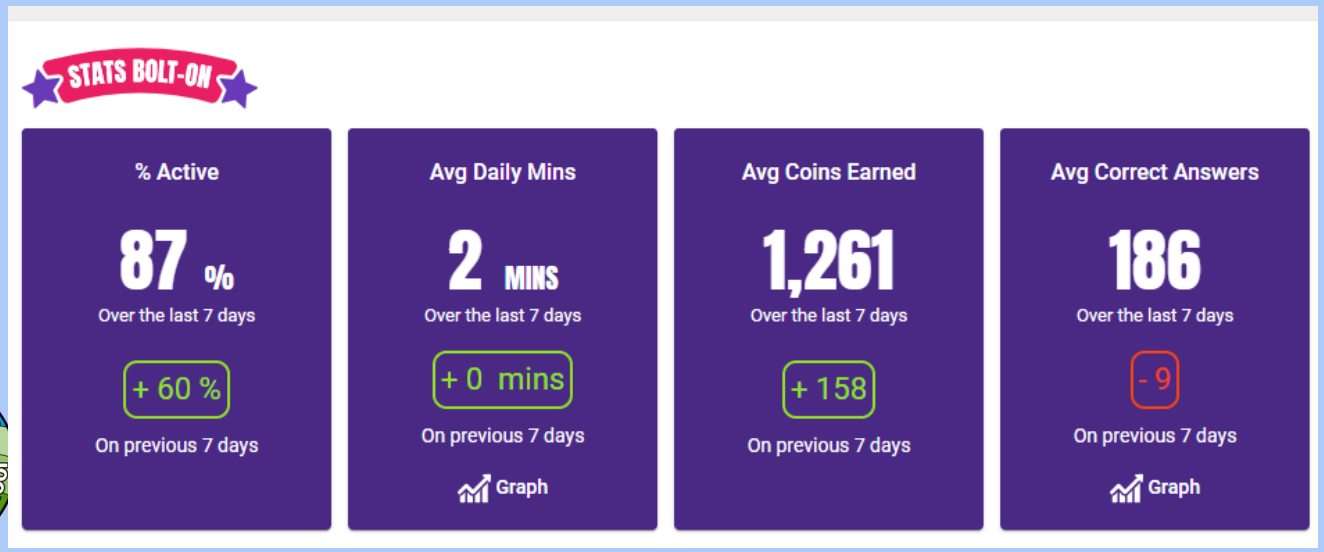
Inspiring the future

Independence Resilience Learning Respect Collaboration Hillside Values

3Orange



3Black



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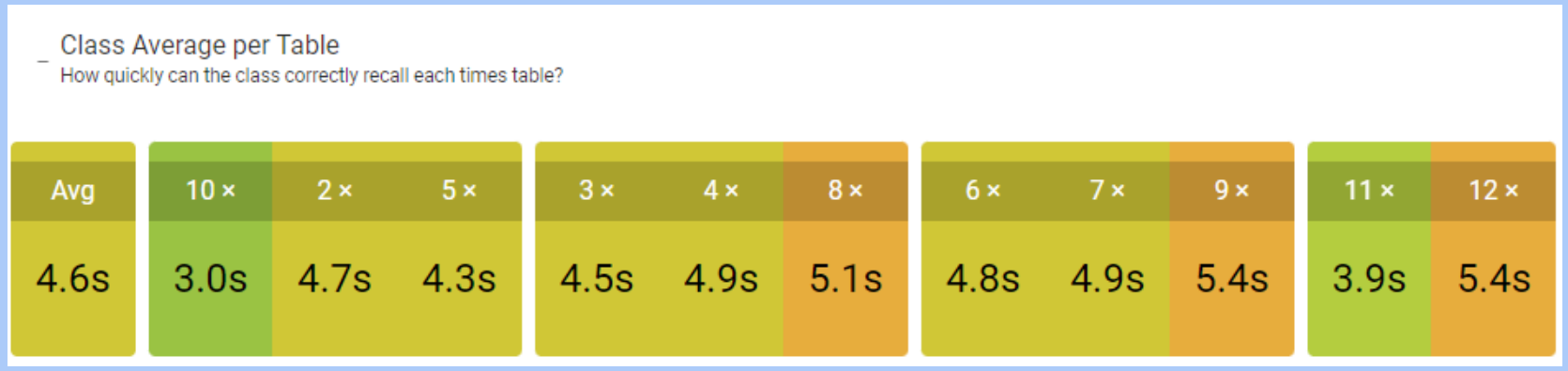


Class Average per Table

How quickly can the class correctly recall each times table?

Avg	10 ×	2 ×	5 ×	3 ×	4 ×	8 ×	6 ×	7 ×	9 ×	11 ×	12 ×
4.6s	3.0s	4.7s	4.3s	4.5s	4.9s	5.1s	4.8s	4.9s	5.4s	3.9s	5.4s

Black

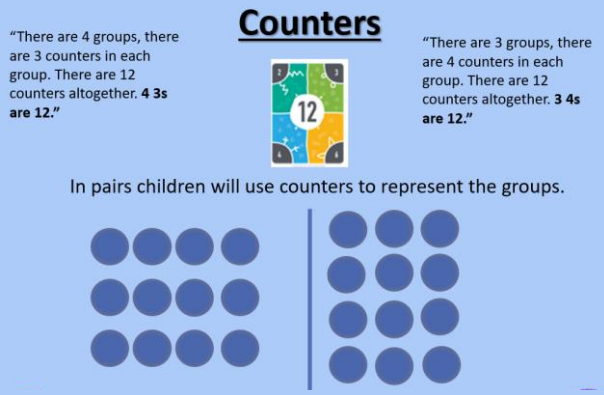
Class Average per Table

How quickly can the class correctly recall each times table?

Avg	10 ×	2 ×	5 ×	3 ×	4 ×	8 ×	6 ×	7 ×	9 ×	11 ×	12 ×
4.5s	3.1s	4.2s	4.3s	4.9s	4.3s	4.8s	4.5s	5.0s	5.0s	4.0s	5.0s

Your turn

- Use the times table cards and counters to practice some of the games with your children.
- Encourage them to use their ‘short sound bite’ – 1 3 is 3, 2 3s are 6…



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Any Questions?